



## The NEO8S high performance wideband planar ribbon driver

The Neo8S is a higher sensitivity version of our Neo8 driver. The Neo8S also utilizes our patented diaphragm design similar to the one used in Neo10 driver, allowing lower distortion.

As all of our Neo drivers, the Neo8S has a symmetric push-pull Neodymium magnet system and aluminum laminated Teonex® (registered by DuPont) diaphragm. The Neo8S is capable of delivering unsurpassed clarity and resolution in midrange band. For detailed technology description and its advantages over conventional voice coil/cone/dome drivers refer to Neo8 and Neo10 white paper/spec sheets.

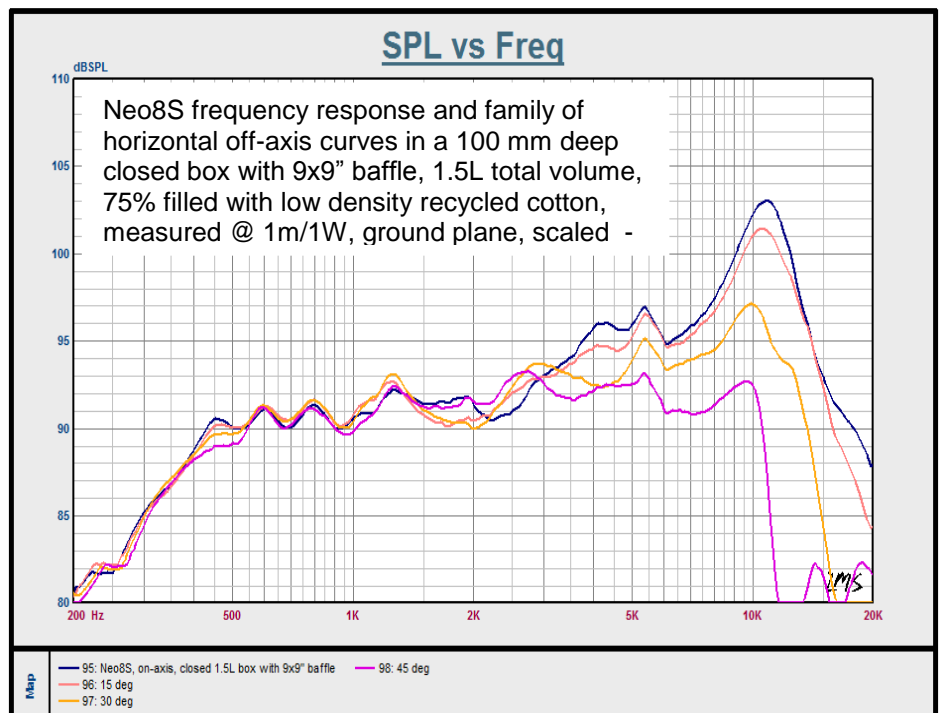
When choosing between Neo8S and Neo8 or Neo8PDR models, one should consider the following differences:

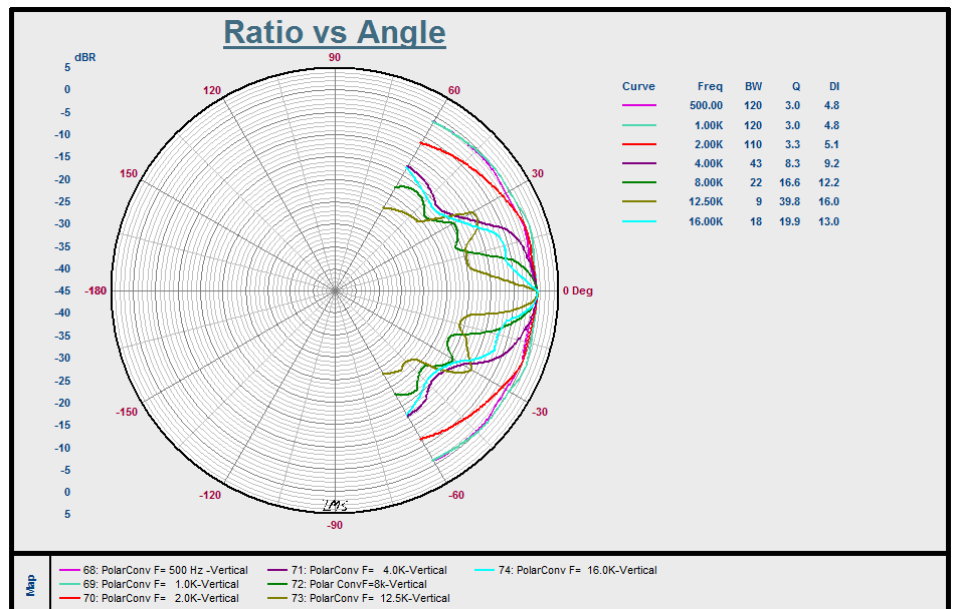
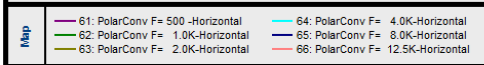
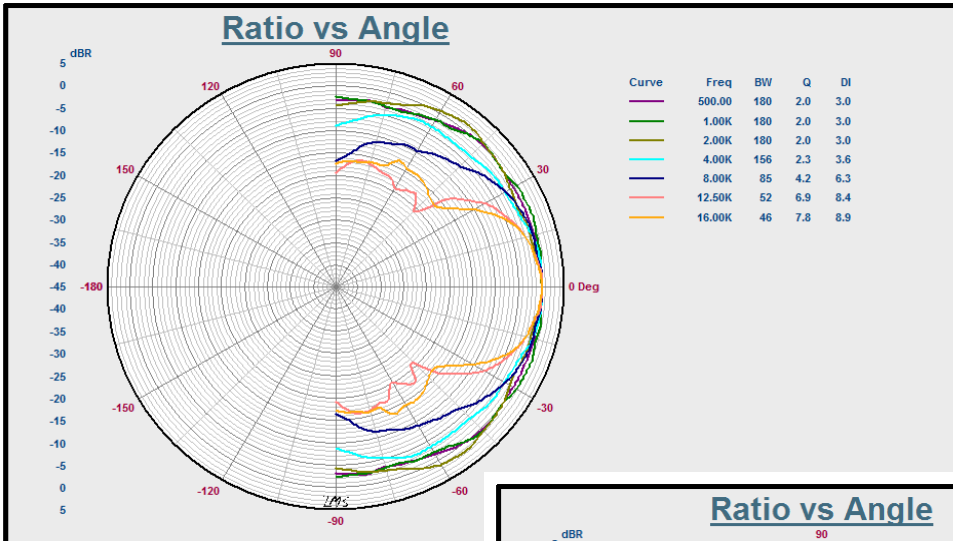
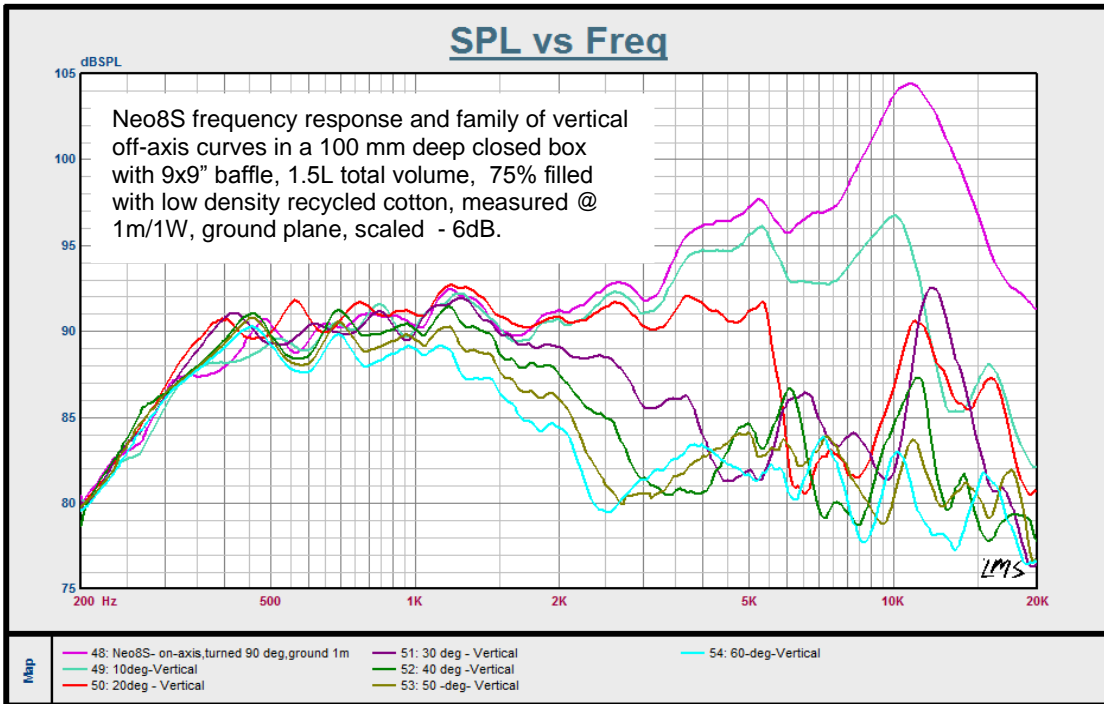
- Neo8S is slightly thicker and heavier than Neo8 since it uses almost twice thicker Neo magnets
- Neo8S has 8 ohm nominal impedance vs. 4 ohms in Neo8
- while Neo8S frequency response is similar to Neo8, it has about 3dB higher sensitivity per 1W input
- Neo8S has slightly lower distortion than Neo8 below 1 kHz due to the use of patented diaphragm design.
- Neo8S is more expensive than Neo8.

Neo8S recommended applications:

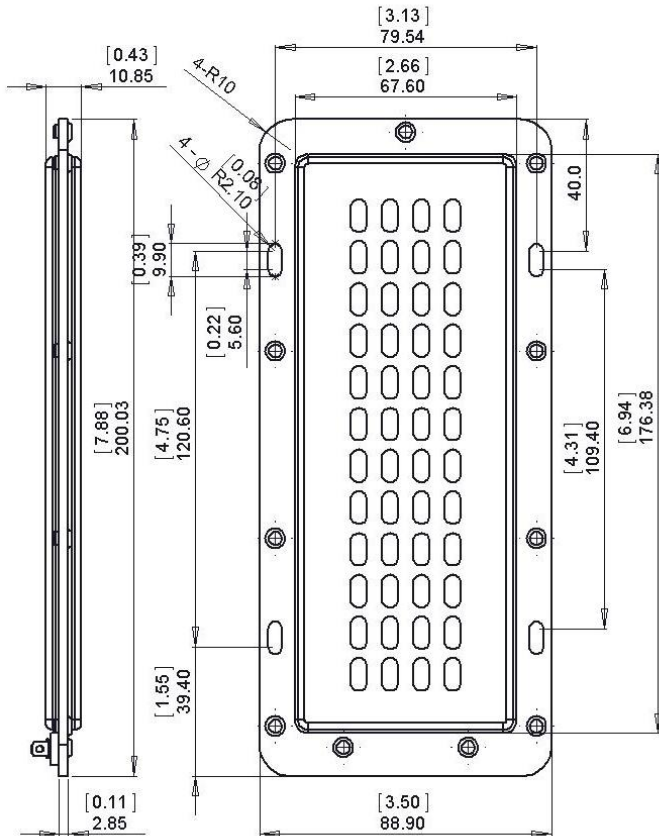
- ultimate performance midrange in a very wide range of systems including dipoles
- mid-tweeter or midrange driver in line arrays

A notch filter or EQ as well as placing felt over the side radiating slots (for smoother HF response and wider dispersion above 10 kHz ) can also be considered. Please contact our tech support for suggestions.





## Specifications



Usable frequency range (with EQ), application specific	250 Hz-20 kHz
Recommended LF crossover point, depends on a system max SPL requirements and acoustic arrangement of the transducers: <ul style="list-style-type: none"> <li>- multimedia systems</li> <li>- home theater and hi-fi,</li> <li>- line arrays</li> </ul>	250 Hz 300Hz-600 Hz 300 Hz-400 Hz
Horizontal and vertical dispersion (monopole):	Refer to polar plots above
Sensitivity, 2.83V/1m, averaged in 400Hz -8 kHz	94 dB
Nominal impedance (resistive over entire range with Rdc =6.5±0.4 Ω )	8 ohms
Power handling: AES Program Peak (200ms)	25 W 50 W 150W
Weight	0.5 kg

### **ATTENTION!**

**When connecting the Neo8S drivers, be careful not to overheat the terminals. This can lead to degradation of the diaphragm joint conductivity.**

For more information please contact: BG Radia Corporation, 3535 Arrowhead Dr., Carson City, NV, 89706, USA. Tel. 1-888-875-2627, fax (775)884-1276, [www.bgcorp.com](http://www.bgcorp.com)